

**METHOD OF LOGICAL MODELING OPERATOR INTERACTION WITH  
PROGRAMMABLE LOGIC CONTROLLER LOGICAL VERIFICATION SYSTEM**

**ABSTRACT OF THE DISCLOSURE**

5           A method is provided of logical modeling operator  
interaction with a programmable logical controller logic  
verification system. The method includes the steps of  
constructing a flowchart of interaction of an operator in a  
workcell part and testing whether the logic of the flowchart is  
10 correct. The method also includes the step of using the  
flowchart to test PLC code to build the workcell if the logic  
of the flowchart is correct.